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(54) Title: ADAPTABILITY TO MULTIPLE HANDS-FREE COMMUNICATION ACCESSORIES

(57) Abstract: To optimize the performance of a device, such as a mobile telephone, that may be coupled to any of a variety of hands-free adapters, each characterized by a particular quality of performance, the device receives self-identifying information from the particular hands-free adapter to which it is coupled. The device then determines one or more settings as a function of the self-identifying information, and adjusts one or more components in accordance with the one or more settings. For example, such adjustments may include microphone gain settings, loudspeaker gain settings, and adjustments to acoustic echo canceler equipment.

# INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 H04M9/08 H04M1/725

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
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| A          | EP 0 723 378 A (ALLIANCE RESEARCH CORP) 24 July 1996 (1996-07-24)<br>abstract<br>column 3, line 24 - line 28<br>---          | 1-41                  |
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Information on patent family members

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